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1. Use of prestressed concrete in the USSR

a. periods: 1951-55; 1956-57

b. measures: cubic meters used; value of prestressed concrete used; percentage of prestressed concrete in total or precast concrete production

c. types of construction for which prestressed concrete has been used, and the relative amount of each (industrial buildings; bridges; railroad ties; other types)

2. Goal for the use of prestressed concrete

a. What is the long-range goal for the use of prestressed concrete? (1960, or any other year, in terms of cubic meters, value, and percentage in total production of precast concrete)

b. What are the trends in the use of prestressed concrete for the various types of construction?

c. What are the prospects that the goal will be attained?

3. Cost of producing prestressed concrete

a. Total cost of selected products (beams; slabs; poles)

b. Breakdown of costs (labor; materials; other costs)

c. Cost-price relationship

d. Investment cost per unit of capacity

4. Comparison of prestressed concrete with other products (structural steel, precast concrete, wood) which would be suitable for the same type of construction

a. Materials used in manufacture (especially steel)

b. Production cost

c. Unit cost of finished construction

d. Man-hours required in erection

e. Over-all evaluation of the economy of prestressed concrete (in terms of monetary and materials savings)

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5. Practices in the production of prestressed concrete
 - a. Grade and type of cement used
 - b. Length of time the prestressed unit remains in the mold
 - c. Time required for curing after removal from the mold
6. Problems in expanding the production of prestressed concrete
 - a. How does actual production compare with the anticipated capacity of new plants?
 - b. How do actual costs compare with originally estimated costs?
 - c. What obstacles have arisen from the lack of trained personnel?
 - d. What limitations on production have been experienced? (shortages of cement, steel, plant capacity)
 - e. Are any such limitations foreseen for the next two years?

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